

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of

Jiebo Luo

**METHOD AND SYSTEM FOR  
DETERMINING IMAGE ORIENTATION**

Serial No. Not assigned

Filed herewith

Commissioner for Patents  
Washington, D.C. 20231

Group Art Unit: Not assigned

Examiner: Unknown

Express Mail Label No. EL656971011US

*February 13, 2002*  
Date



Sir:

**INFORMATION DISCLOSURE STATEMENT FOR CONSIDERATION**  
**BY THE OFFICE UNDER 37 C.F.R. 1.97-1.99**

Enclosed herewith are patents and/or publications for consideration by the Patent and Trademark Office in regard to the invention claimed in the above-described application. In compliance with § 1.56, such documents are listed in the enclosed Form PTO-1449.

Applicants request that the Patent and Trademark Office make of record the above-identified documents. Unless otherwise indicated, a full text copy of each document is attached. For documents not in English, an English translation or an equivalent English language patent or publication may be attached. Where a translation is not available, a concise explanation of the relevance of each document not in English is included either here or in the specification.

This Information Disclosure Statement (hereinafter "Statement") is submitted according to the following selected paragraph:

- I. ☒ This Statement is being filed under § 1.97(b) within three months of the filing date of the application (other than a CPA), or before the mailing of a first Office action on the merits or before the mailing of a first Office action after the filing of a request for continued examination.
- II. ☐ This Statement is being filed under § 1.97(c), with fee, **prior** to the mailing date of any of a final action, a notice of allowance or an action that otherwise closes prosecution in the application. Please charge the fee required by § 1.17(p) to Eastman Kodak Company Deposit Order Account Number 05-0225. A duplicate copy of this Certification is enclosed.

III. ☐ This Statement is being filed under §1.97(c), with a certification under, §1.97(e) **prior** to the mailing date of any of a final action, a notice of allowance or an action that otherwise closes prosecution in the application. The undersigned hereby states that (check one):

☐ each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.

☐ no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification under §1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.

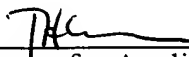
IV. ☐ This Statement is being filed under §1.97(d), with fee and certification under §1.97(e), on or after the mailing date of either a final action, a notice of allowance (but prior to payment of the issue fee) or an action that otherwise closes prosecution in the application. Please charge the fee required by §1.17(p) to Eastman Kodak Company Deposit Order Account No. 05-0225. A duplicate copy of this Certification is enclosed. The undersigned hereby states that (check one):

☐ each item of information in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.

☐ no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification under §1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.

Respectfully submitted,

Thomas H. Close/cjm  
Telephone: (585) 722-2396  
Facsimile: (585) 477-4646  
Enclosures

  
\_\_\_\_\_  
Attorney for Applicants  
Registration No. 27,428

FORM PTO-1449

US DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

Any. Docket No.

84093THC

Customer No. 01333

Serial No.

Not assigned

If AFTER the later date of the first Office Action or 3 months from filing, use only with Rule 97(E) Certificate or Fee

Applicant:

Jiebo Luo

Filing Date

Filed herewith

Group

Not assigned

## LIST OF ART CITED BY APPLICANT

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

Examiner Initial*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,151,423	Nov. 21, 2000	Melen			
	6,148,102	Nov. 14, 2000	Stolin			
	5,901,245	May 4, 1999	Warnick et al.			
	5,642,443	June 24, 1997	Goodwin et al.			
	4,870,694	Sept. 26, 1989	Takeo			

## FOREIGN PATENT DOCUMENTS

Examiner Initial*	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES   NO
----------------------	-----------------	------	---------	-------	----------	-------------------------

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	USSN: 09/450,366, filed November 29, 1999 by Luo
	Heisele et al., <b>Face Detection in Still Gray Images</b> , <i>Massachusetts Institute of Technology Artificial Intelligence Lab</i> , A.I. Memo No. 1687, May 2000, pp. 1-25
	Spitz, <b>Script and Language Determination from Document Images</b> , Fuji Xerox Palo Alto Lab, <i>Proceedings of 3rd Symposium on Document Analysis and Information Retrieval</i> , 1994, pp. 229-235
	Zhong et al., <b>Locating Text in Complex Color Images</b> , <i>Pattern Recognition</i> , Vol. 28, 1995, No. 10, pp. 1523-1535
	Garcia et al., <b>Text Detection and Segmentation in Complex Color Images</b> , <i>Proceedings of 2000 IEEE International Conference on Acoustics, Speech and Signal Processing</i> , ICASSP 2000, Vol. IV, pp. 2326-2329
	Vailaya et al., <b>Automatic Image Orientation Detection</b> , <i>Proceedings of International Conference on Image Processing</i> , 1999

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

